

# Benjamin Webb

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## EDUCATION

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**Indiana University**, Bloomington, IN  
*Bachelor of Science in Computer Science*  
Specialization: Intelligent Systems  
*Bachelor of Arts in East Asian Language and Culture*  
Specialization: Japanese

Expected May 2020

**Nanzan University**, Nagoya, Japan  
*Study-abroad program of intensive Japanese for one academic year*

September 2018 - May 2019

## WORK EXPERIENCE

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**Indiana University**, Bloomington, IN  
*Study-abroad Peer Counselor*

August 2019 – Present

- Assist prospective students in their application process and requirements for going abroad.
- Provide counsel and information to help guide interested students toward a good study-abroad program for them.
- Participate in special events and give presentations based on my experience studying in a foreign country.

**COOK Inc.**, Bloomington, IN  
*Production Assistant*

Summer 2017

- Operated various package sealing machines and equipment.
- Created medical dilator devices using a series of processes and machinery.
- Assembled medical device products to be packaged and inspected by the quality control department.

**Target**, Bloomington, IN  
*Cashier*

November 2014 – January 2015

- Operated a cash register and handled hundreds of monetary transactions a day.
- Prepared pizzas and other food items at the in-store Pizza Hut, including cooking, cleaning, and cataloging sales.
- Assisted customers on the sales floor and took inventory on products throughout various departments.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, PHP, R, MATLAB

**Platforms:** Microsoft Windows, Mac-OS

**Miscellaneous:** TensorFlow, Machine Learning, Data Mining, Microsoft Office, LaTeX, Adobe development tools

## LANGUAGE

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**Japanese:** 4 years of college courses, 1 year of study-abroad in Nagoya, Japan.

## STUDENT ACTIVITIES

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**Cyber Security Club**, Indiana University

2016-2017

- Learned about the current state of internet security in technology today, and discussed real world applications.
- Explored different commonly-used methods of exploiting website security, and how to set up preventative measures.

**ReStore - Habitat for Humanity**, Bloomington, IN

Spring 2018

- Served a volunteer role by organizing inventory at the shop site and moving furniture to be loaded into vehicles.
- Assisted guests in the shop with handling and purchasing items.
- Prepared donated materials to be recycled and processed in the back of the facility.

## ACADEMIC PROJECTS

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**Image Classification Neural Network**

Fall 2019

- Trained a model with TensorFlow to classify images of Japanese Hiragana writing

**Travelling Salesman Problem – Simulated Annealing**

Fall 2019

- Used simulated annealing to find a solution of the shortest path between a list of city coordinates

**Sudoku Puzzle Solver**

Fall 2017

- Utilized constraint propagation techniques to create an AI that can solve any possible Sudoku puzzle.